

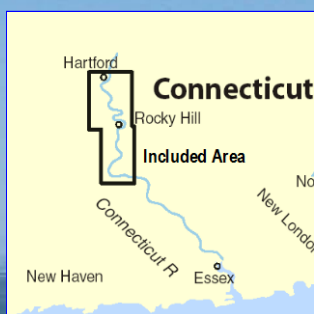
# BookletChart™

## Connecticut River – Bodkin Rock to Hartford

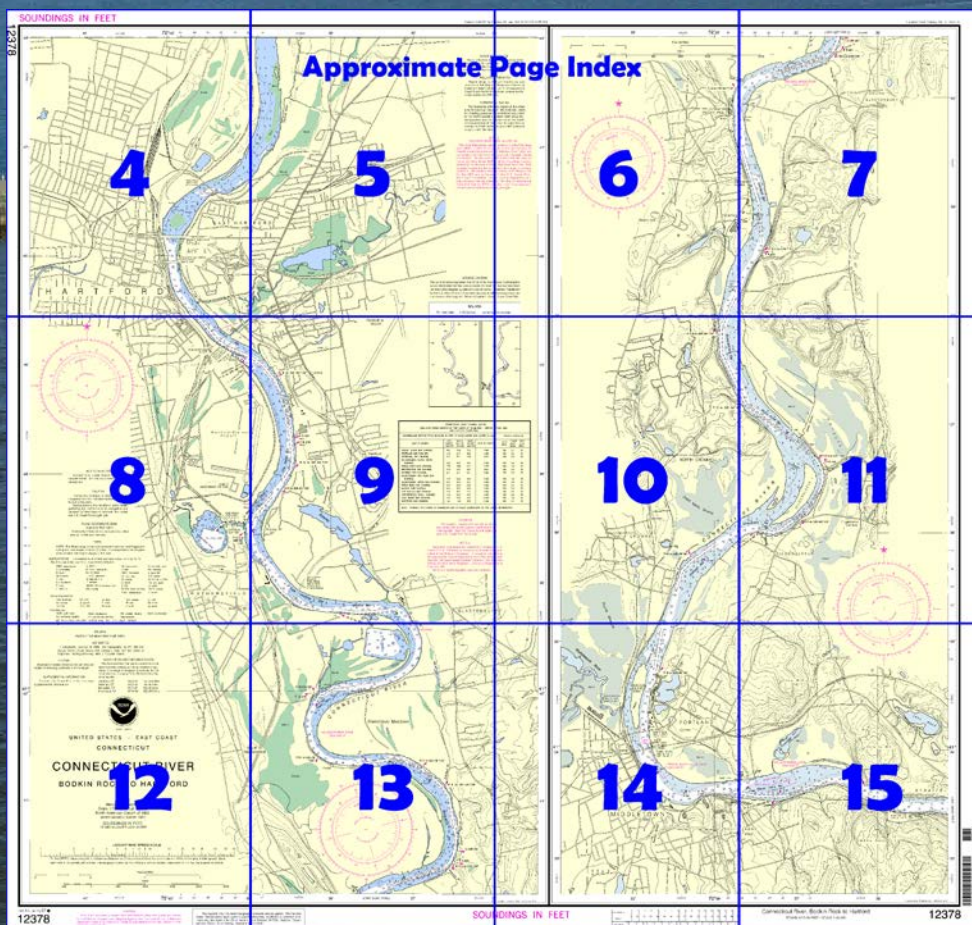
NOAA Chart 12378

*A reduced-scale NOAA nautical chart for small boaters*

*When possible, use the full-size NOAA chart for navigation.*



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the**  
**National Oceanic and Atmospheric Administration**  
**National Ocean Service**  
**Office of Coast Survey**  
[www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov)  
**888-990-NOAA**

**What are Nautical Charts?**

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

**What is a BookletChart™?**

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

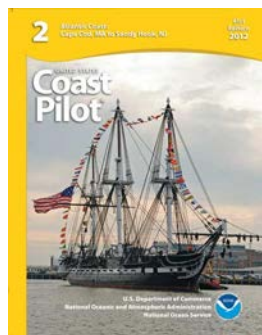
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

**Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=12378>.



**(Selected Excerpts from Coast Pilot)**

**Connecticut River** rises in the extreme northern part of New Hampshire, near the Canadian border, and flows southerly between the States of Vermont and New Hampshire and across Massachusetts and Connecticut to Long Island Sound. It is approximately 375 miles long and is one of the largest and most important rivers in New England. The head of commercial navigation is at Hartford, about 45 miles from the mouth. Waterborne commerce on

the river is mostly in petroleum products and chemicals. The river water is fresh at and above Deep River. Each year after the spring freshets, shoals with least depths of 10 feet are found in places

on bars in the upper river; dredging to remove such shoals is begun as soon as the water subsides.

Between the entrance and Middletown the river banks are hard and in some places rocky, but between Middletown and Hartford the river flows through alluvial bottom land, where freshets and ice jams may cause shoaling.

The channel above the jettied entrance channel usually follows the banks on the outside of the curves of the river, except through the dredged cuts across the bars which are marked by navigational aids.

**Anchorage.**—Secure anchorage can be had eastward or northeastward of Lynde Point Light. Farther up anchorage can be selected in the wider parts of the channel. Special anchorages are at Old Saybrook, Essex, Chester, Lord Island, Eddy Rock Shoal in the vicinity of Connecticut River Light 45, and Mouse Island Bar vicinity. (See **110.1** and **110.55**, chapter 2, for limits and regulations.)

**Dangers.**—**Saybrook Outer Bar**, which obstructs the mouth of the Connecticut River, is shifting, with depths of 2 to 12 feet extending nearly 2 miles off the mouth; it is marked off its southeastern end by a lighted bell buoy.

In 1976, obstructions were reported in the channel at the railroad bascule bridge 3 miles above the mouth of the Connecticut River; a least depth of 13 feet is reported in the channel in area 40 to 50 feet from the east abutment of the bridge. Mariners requiring greater depths are advised to avoid this area of the channel during passages.

**Bridges.**—Several drawbridges and fixed bridges cross Connecticut River between the entrance and Hartford. The distance above the mouth, type, and clearance of each bridge follows: 3 miles, railroad with bascule span, 19 feet; 3.5 miles, Raymond E. Baldwin (IS 95) Bridge, fixed highway, 81 feet; 14.6 miles, State Route 82 highway with swing span at East Haddam, 22 feet; 27.8 miles, railroad with swing span at Middletown, 25 feet; 32.2 miles, Arrigoni Bridge (State Route 66), fixed highway, 89 feet; 41.2 miles, Wm. H. Putnam Bridge (State Route 3), fixed highway near Wethersfield, 80 feet over main channel; 44 miles, **Charter Oak Bridge (U.S. 5/State Route 15)**, a fixed highway bridge at Hartford, 69 feet for a width of 215 feet; 44.9 miles, Founders Bridge, fixed highway, 49 feet; 45.2 miles, Bulkeley Bridge (I-84), fixed highway, 39 feet; and 46 miles, fixed railroad, 28 feet. (See **117.1 through 117.59 and 117.205**, chapter 2, for drawbridge regulations.)

**Tides.**—The time of tide becomes later and the range diminishes in progressing up the river. High water and low water at Hartford occur about 4.5 and 6 hours later, respectively, than at the entrance.

**Currents.**—At the entrance the currents have considerable velocity at times and always require careful attention, as the tidal current of the sound often sets directly across the direction of the current setting out or in between jetties. This condition is reported to be especially dangerous during the first 3 hours of ebb tide. (Consult the Tidal Current Tables for times and velocities of currents at a number of locations in Connecticut River.)

During the ebb, a strong current runs from the Lyme Landing toward the center of the railroad bridge. Towboats with vessels in tow should steer for the east pier of the draw and should not swing out for the draw until almost in it, to avoid being set to the west side of the channel. Because of river discharge, the ebb current usually will be considerably stronger than the flood. Ebb current velocities of 1 knot or more have been observed under normal conditions on the bars in Connecticut River between Higganum and Hartford; velocities of flood currents are less.

**U.S. Coast Guard Rescue Coordination Center**  
**24 hour Regional Contact for Emergencies**

RCC Boston	Commander	
	1st CG District	(617) 223-8555
	Boston, MA	



# Navigation Managers Area of Responsibility



**NOAA's navigation managers** serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit [nauticalcharts.noaa.gov/service/navmanagers](http://nauticalcharts.noaa.gov/service/navmanagers)

To make suggestions or ask questions online, go to [nauticalcharts.noaa.gov/inquiry](http://nauticalcharts.noaa.gov/inquiry).

To report a chart discrepancy, please use [ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx](http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx).

## Lateral System As Seen Entering From Seaward

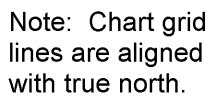
on navigable waters except Western Rivers



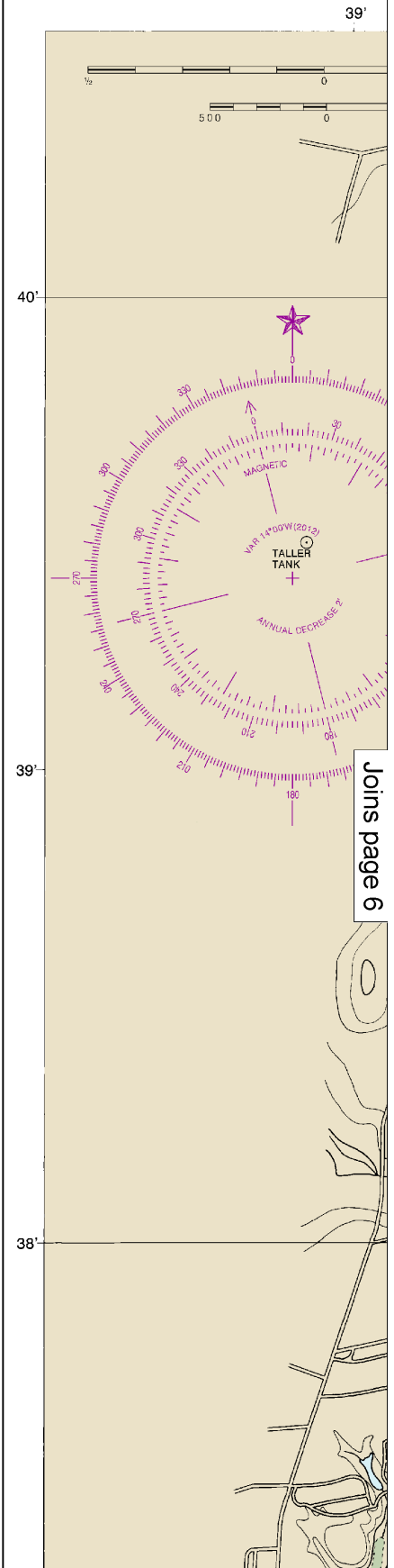
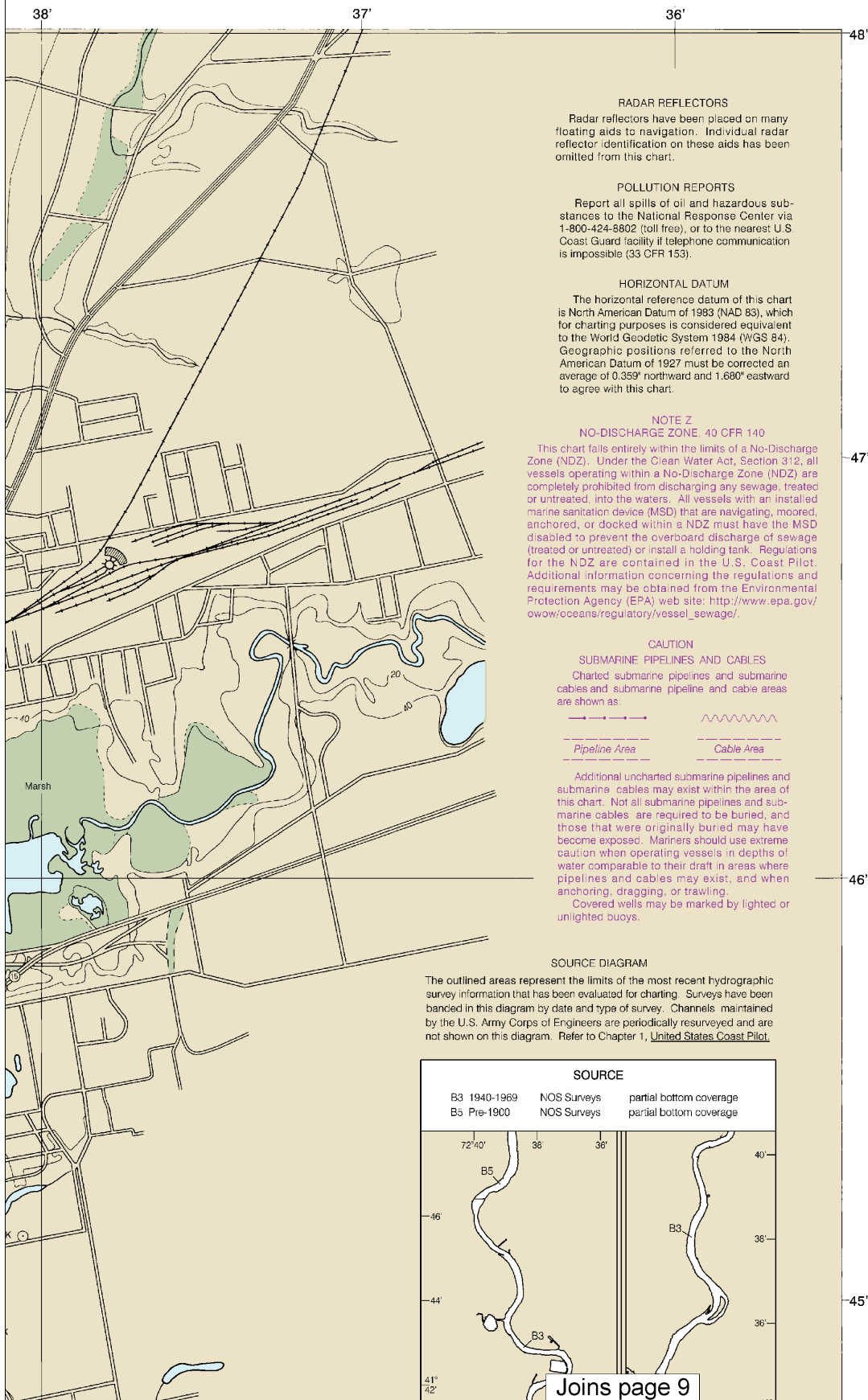
For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area.

These volumes are available online at <http://www.navcen.uscg.gov>

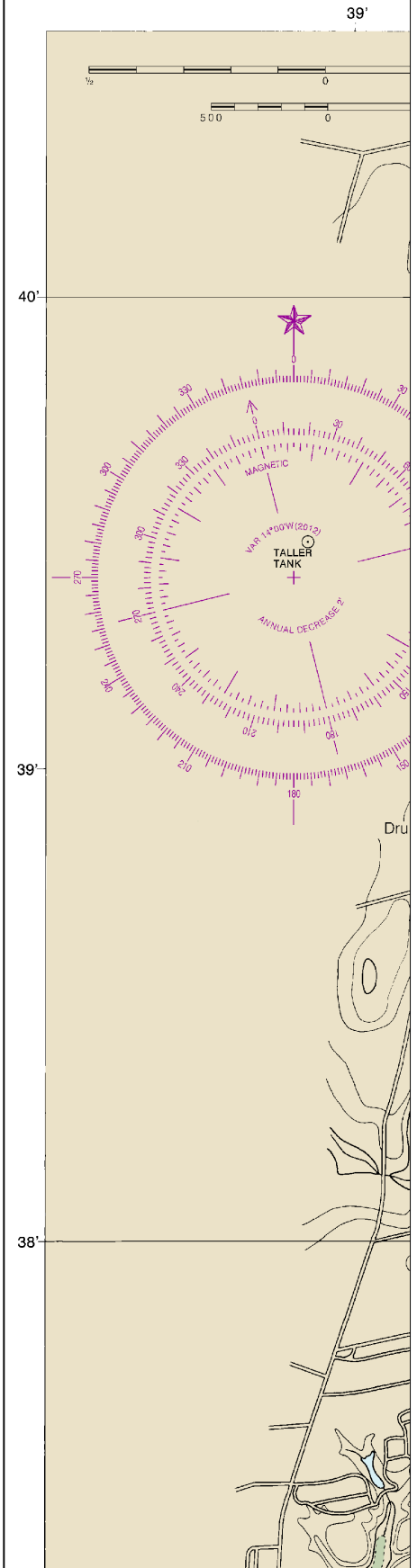
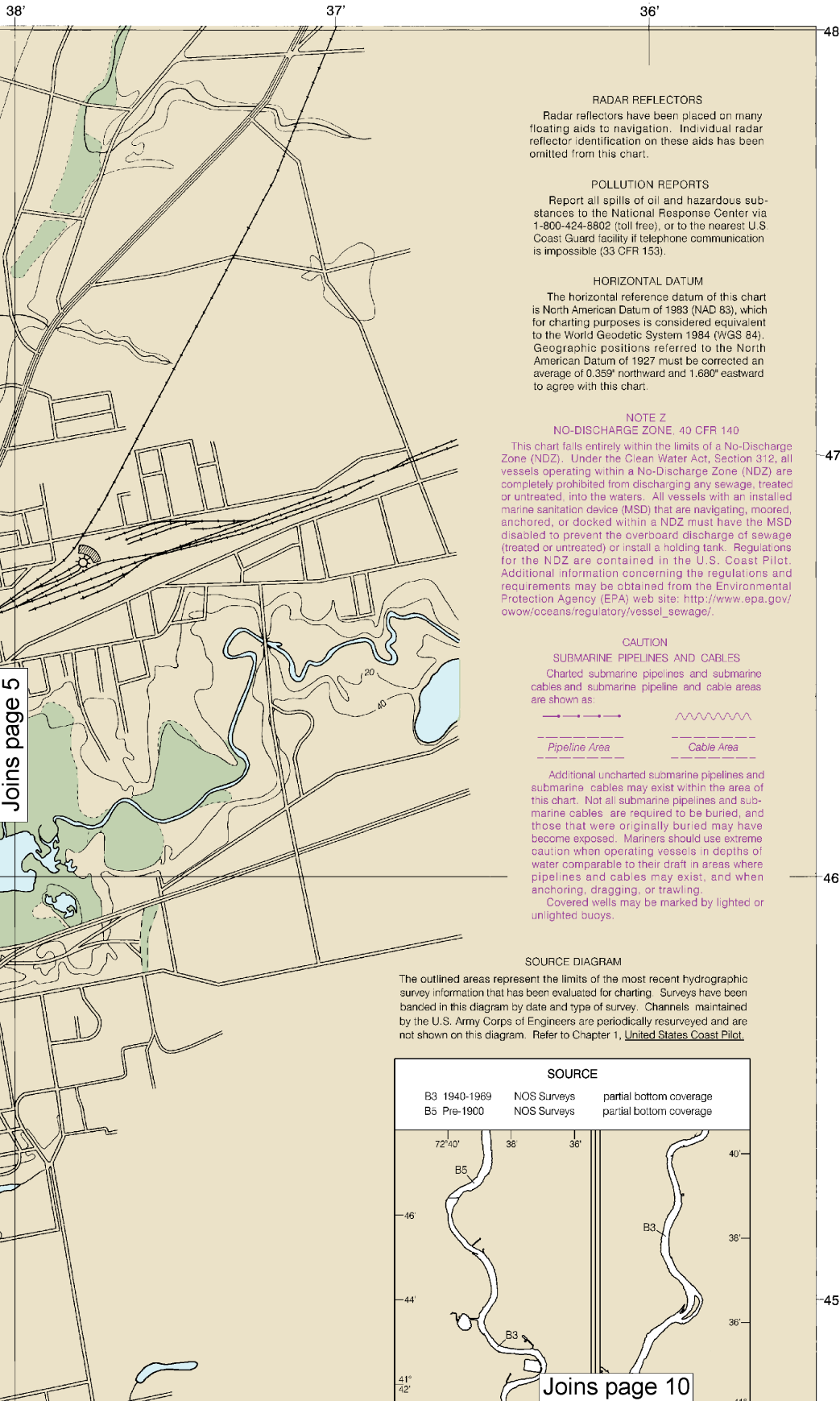
4



SCALE 1:20,000  
Nautical Miles



This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:26666. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.



Joins page 5

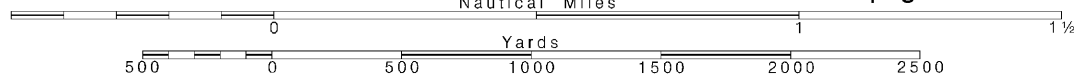
6

Note: Chart grid lines are aligned with true north.

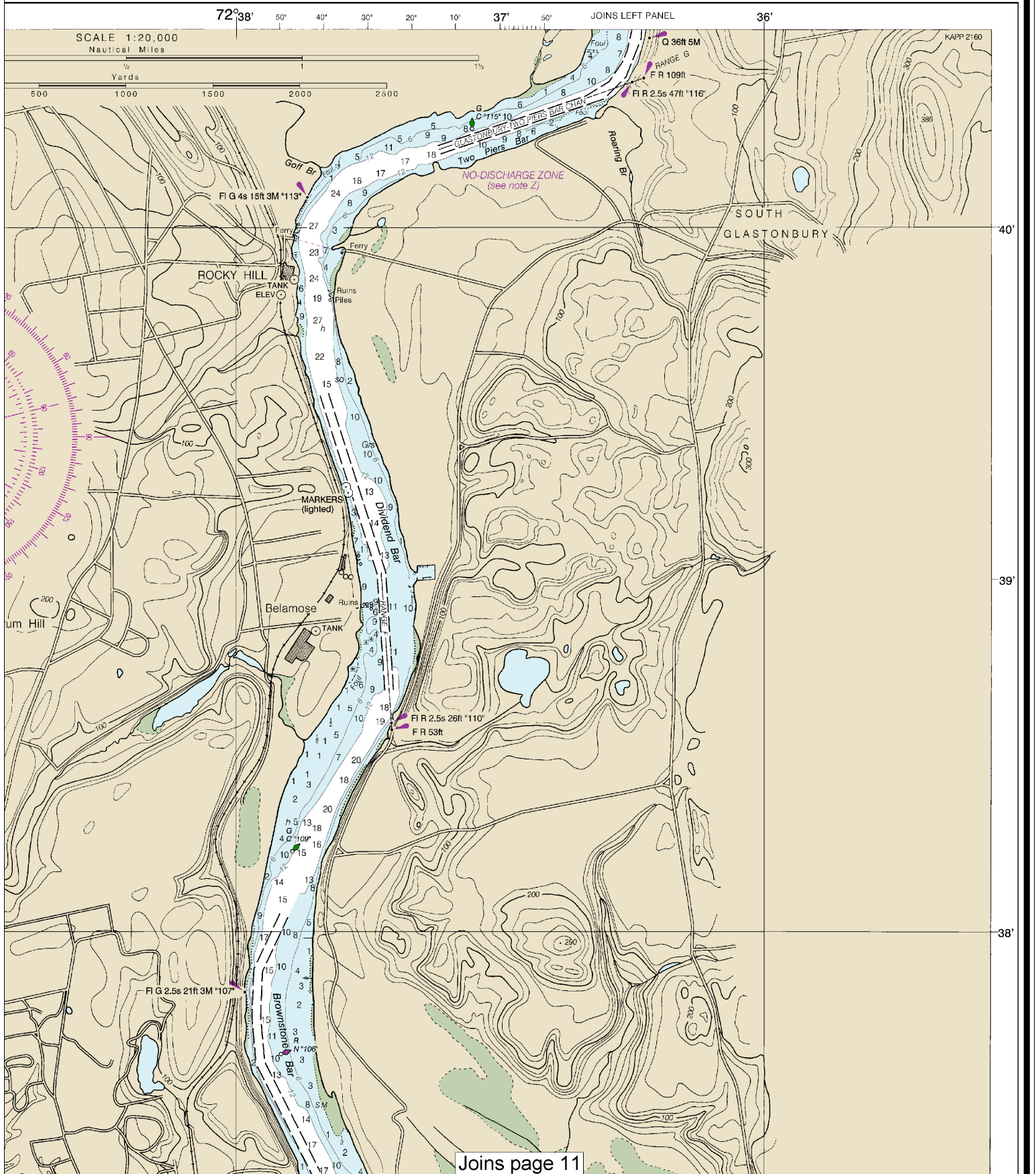
Printed at reduced scale.

SCALE 1:20,000  
Nautical Miles

See Note on page 5.







Last Correction: 12/16/2014. Cleared through:  
 LNM: 2516 (6/21/2016), NM: 2716 (7/2/2016), CHS: 0616 (6/24/2016)

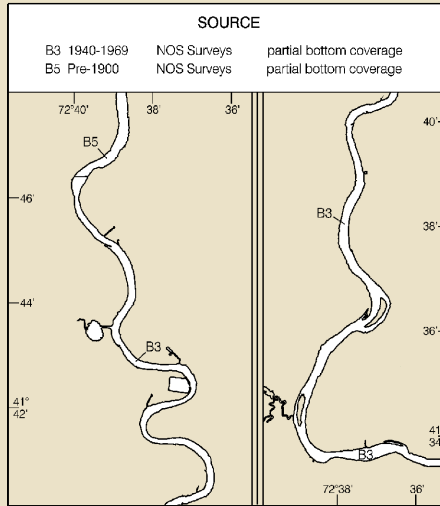




by the U.S. Army Corps of Engineers and are not shown on this diagram

## Joins page 5

urveyed and are not shown on this diagram



CONNECTICUT RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2011 AND SURVEYS TO SEP 2010							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
MOUSE ISLAND BAR CHANNEL	15.0	12.7	10.9	8-10	150	0.7	15
PORTLAND BAR CHANNEL	12.6	12.4	13.1	8-10	150	0.3	15
CHROMWELL BAR CHANNEL	13.7	13.1	12.3	8-10	150	0.6	15
GILDSLEEVE ISLAND SHOAL CHANNEL	11.7	13.8	8.5	8-10	150	0.9	15
PISTOL POINT BAR CHANNEL	7.4	7.4	8.7	8-10	150	1.0	15
BROWNSTONE BAR CHANNEL	12.8	11.5	10.7	8-10	150	0.9	15
DIVIDEND BAR CHANNEL	8.9	9.1	8.4	8-10	150	0.6	15
GLASTONBURY-TWO PIER BAR CHANNEL	12.0	12.7	13.7	9-10	150	1.2	15
GLASTONBURY UPPER BAR CHANNEL	13.5	13.5	13.7	9-10	150	0.9	15
PRESS BARN BAR CHANNEL	13.4	13.8	14.6	9-10	150	0.1	15
NAUBUC BAR CHANNEL	13.8	8.5	6.4	9-10	150	0.5	15
CYS HOLLOW BAR CHANNEL	15.0	14.7	13.4	9-10	150	0.5	15
WETHERSFIELD SHOAL CHANNEL	11.6	11.7	13.0	9-10	150	0.4	15
CLAY BANKS BAR CHANNEL	9.9	10.5	11.3	9-10	150	1.6	15
HARTFORD BAR CHANNEL	10.1	8.4	8.6	9-10	150	0.4	15

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

### WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

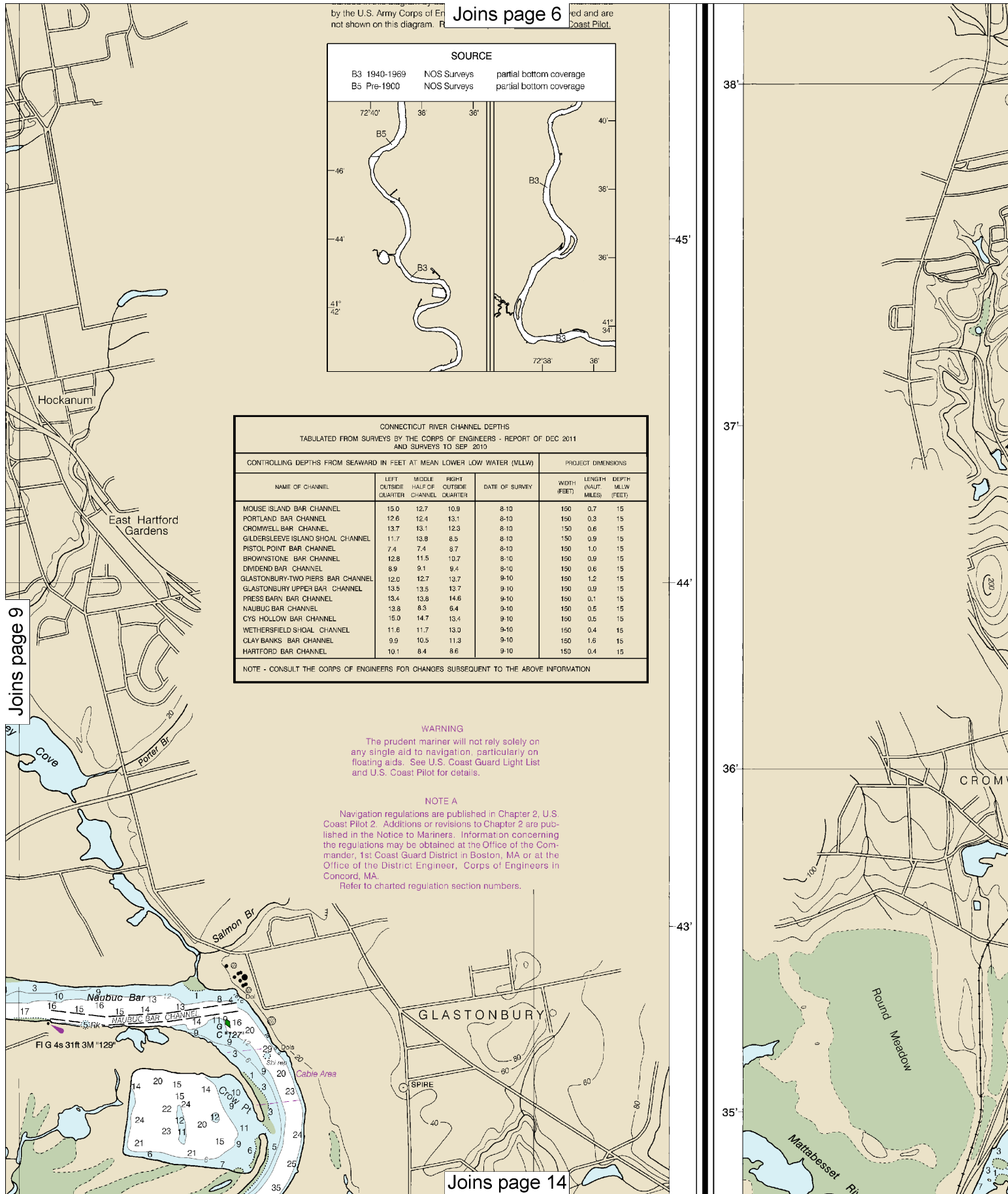
### NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in Concord, MA.

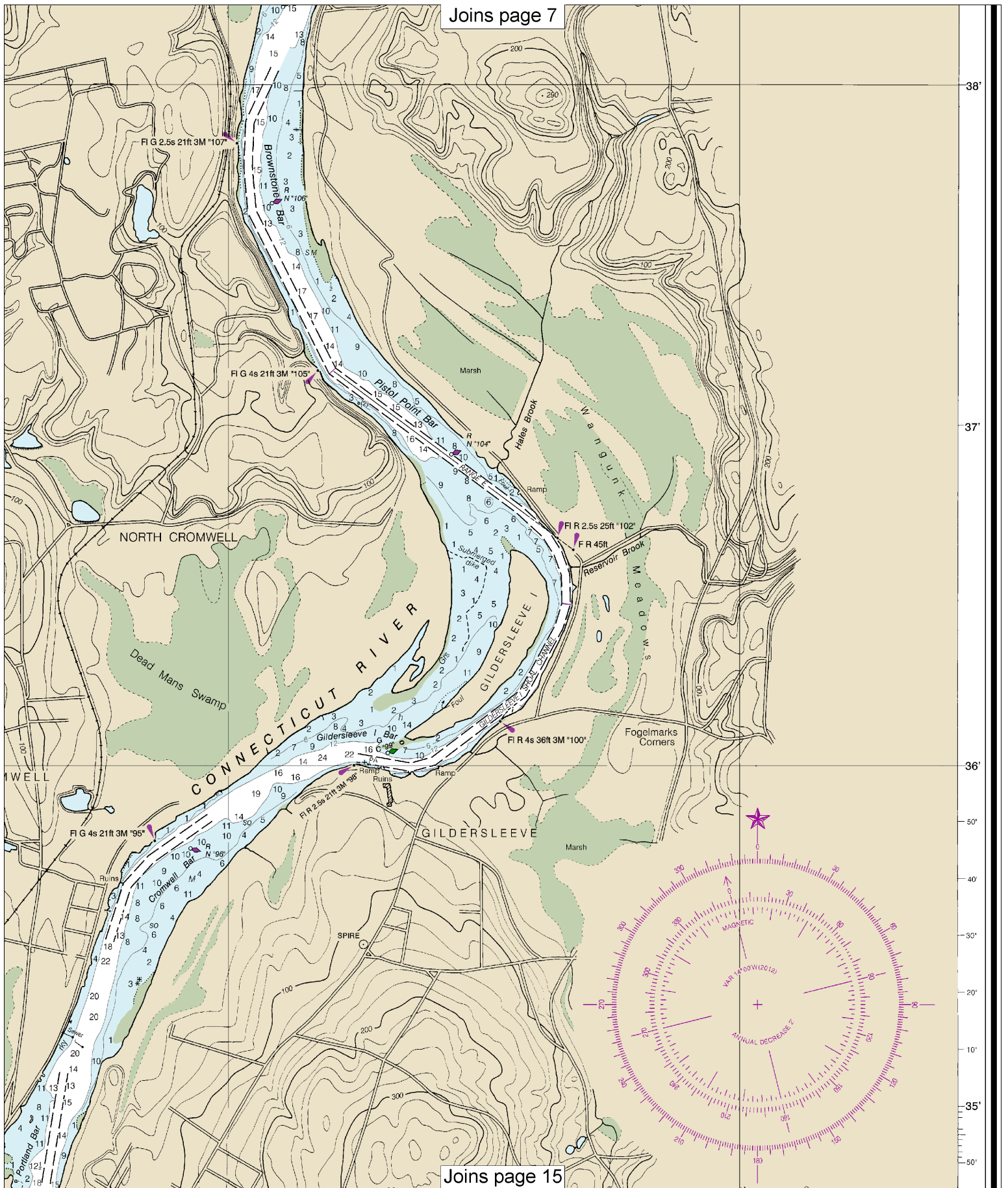
Refer to charted regulation section numbers.

Joins page 13

Joins page 10



Joins page 7



Joins page 15



C can  
D/A diaphone  
F fixed  
Fl flashing

M nautical mile  
m minutes  
MICRO TR microwave tower  
Mkr marker

Or orange  
Q quick  
R red  
Ra Ref radar reflector  
R Bn radiobeacon

W white  
WHIS whistle  
Y yellow

Bottom characteristics:  
Bds boulders  
bk broken  
Cy clay

Co coral  
G gravel  
Grs grass

gy gray  
h hard  
M mud

Oys oysters  
Rk rock  
S sand

so soft  
Sh shells  
sy sticky

Miscellaneous:  
AUTH authorized  
ED existence doubtful  
21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated.  
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

Obstn obstruction  
PA position approximate  
PD position doubtful  
Rep reported  
Subm submerged

#### HEIGHTS

Heights in feet above Mean High Water.

#### AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

#### CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

#### SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 2 for important supplemental information.

#### NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Hartford, CT	WXJ-41	162.475 MHz
Meriden, CT	WXJ-42	162.400 MHz
New London, CT	KHB-47	162.550 MHz
Riverhead, NY	WXM-80	162.475 MHz



THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

CONNECTICUT

# CONNECTICUT RIVER

## BODKIN ROCK TO HARTFORD

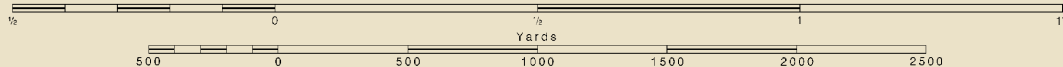
Mercator Projection  
Scale 1:20,000 at Lat. 41° 40'

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

SCALE 1:20,000  
Nautical Miles



15th Ed., Feb. 2012

12378

#### CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

NOAA encourages users to submit inquiries, discrepancies or about this chart at <http://www.nauticalcharts.noaa.gov/staff/contact>

Last Correction: 12/16/2014. Cleared through:  
LNM: 2516 (6/21/2016), NM: 2716 (7/2/2016), CHS: 0616 (6/24/2016)

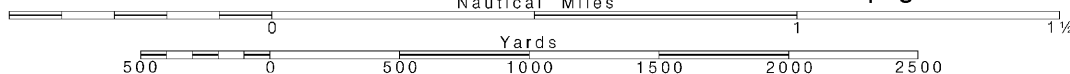
12

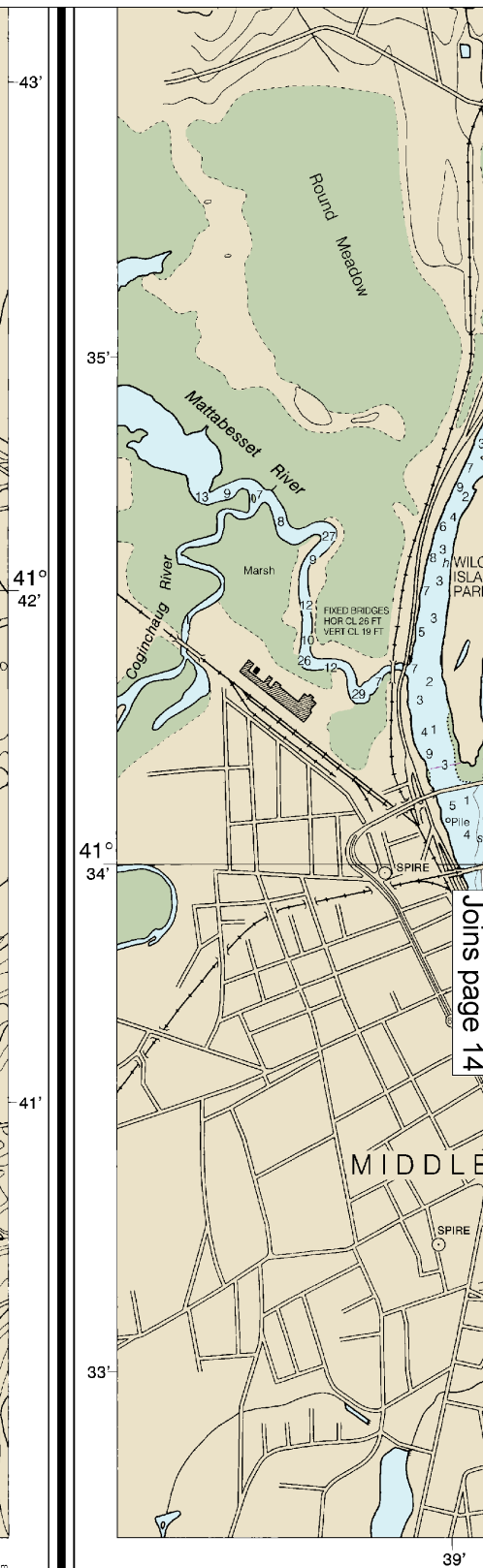
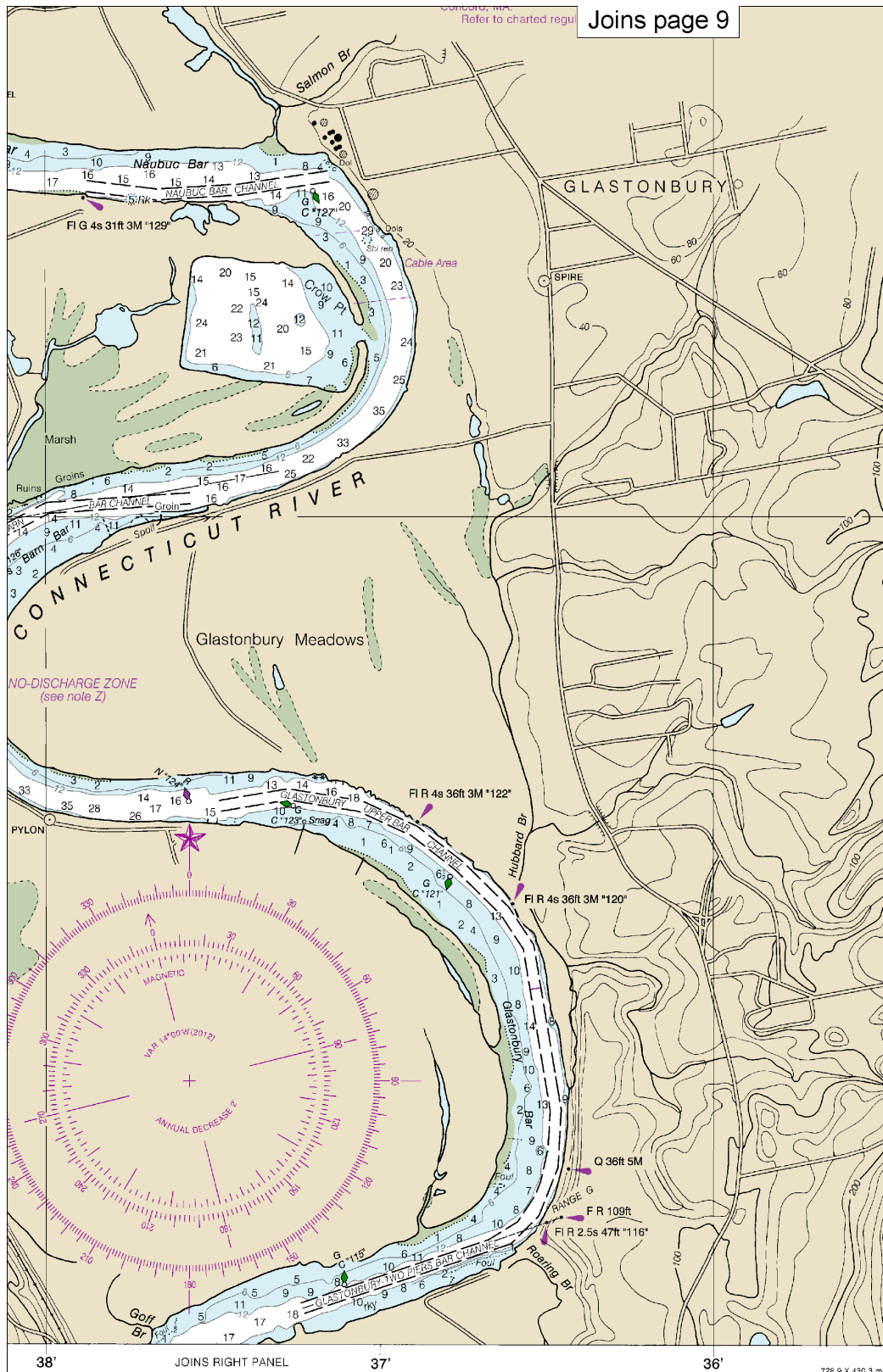
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:20,000  
Nautical Miles

See Note on page 5.



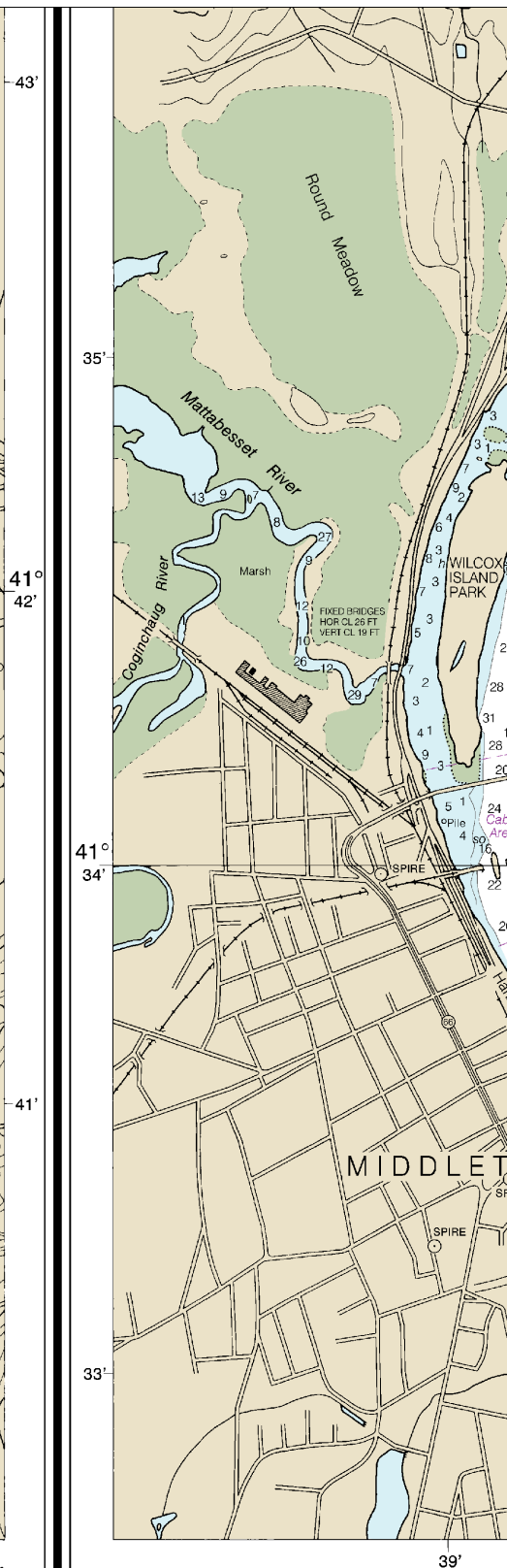


For comments  
contact htm.

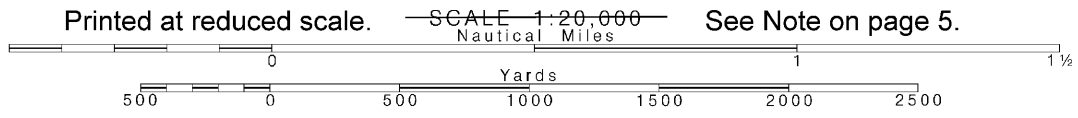
## SOUNDINGS IN FEET

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

FATHOMS	1	2
FEET	6	12
METERS	1	2



FATHOMS	1	2	3
FEET	6	12	18
METERS	1	2	3







3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31				

Connecticut River, Bodkin Rock to Hartford  
SOUNDING IN FEET - SCALE 1:20,000

12378



## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

## Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**

## Quick References

Nautical chart related products and information	—	<a href="http://www.nauticalcharts.noaa.gov">http://www.nauticalcharts.noaa.gov</a>
Interactive chart catalog	—	<a href="http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml">http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml</a>
Report a chart discrepancy	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx">http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx</a>
Chart and chart related inquiries and comments	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs">http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs</a>
Chart updates (LNM and NM corrections)	—	<a href="http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html">http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html</a>
Coast Pilot online	—	<a href="http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm">http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm</a>
Tides and Currents	—	<a href="http://tidesandcurrents.noaa.gov">http://tidesandcurrents.noaa.gov</a>
Marine Forecasts	—	<a href="http://www.nws.noaa.gov/om/marine/home.htm">http://www.nws.noaa.gov/om/marine/home.htm</a>
National Data Buoy Center	—	<a href="http://www.ndbc.noaa.gov/">http://www.ndbc.noaa.gov/</a>
NowCoast web portal for coastal conditions	—	<a href="http://www.nowcoast.noaa.gov/">http://www.nowcoast.noaa.gov/</a>
National Weather Service	—	<a href="http://www.weather.gov/">http://www.weather.gov/</a>
National Hurricane Center	—	<a href="http://www.nhc.noaa.gov/">http://www.nhc.noaa.gov/</a>
Pacific Tsunami Warning Center	—	<a href="http://ptwc.weather.gov/">http://ptwc.weather.gov/</a>
Contact Us	—	<a href="http://www.nauticalcharts.noaa.gov/staff/contact.htm">http://www.nauticalcharts.noaa.gov/staff/contact.htm</a>



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.